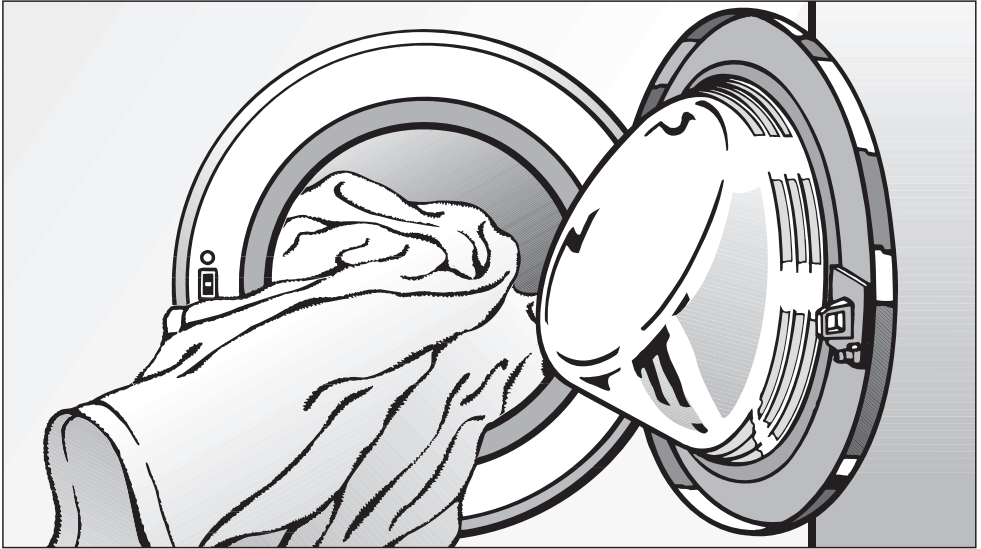


Miele

HONEYCOMB CARE



Operating instructions for Washing machine W 3444 WPS

To avoid the risk of accidents or damage to the machine it is **essential** to read these instructions before it is installed and used for the first time.



M.-Nr. 06 475 430

Caring for our environment

Disposal of the packing material

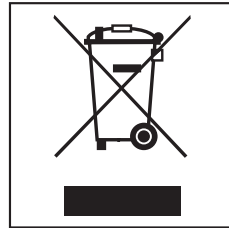
The transport and protective packing has been selected from materials which are environmentally friendly for disposal and can normally be recycled.

Ensure that any plastic wrappings, bags etc. are disposed of safely and kept out of the reach of babies and young children. Danger of suffocation!

Rather than just throwing these materials away, please ensure they are offered for recycling.

Disposal of your old appliance or machine

Electrical and electronic appliances / machines often contain materials which, if handled or disposed of incorrectly, could be potentially hazardous to human health and to the environment. They are, however, essential for the correct functioning of your appliance or machine. Please do not therefore dispose of your old machine or appliance with your household waste.



Please dispose of it at your local community waste collection / recycling centre and ensure that it presents no danger to children while being stored for disposal.

It should be unplugged or disconnected from the mains electricity supply by a competent person. The plug must be rendered useless and the cable cut off directly behind it to prevent misuse. See the "Warning and Safety" section of this booklet for further details.

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Warning and safety instructions

To avoid the risk of accidents and damage to the machine please read these instructions carefully before using it for the first time. They contain important information on its safety, use and maintenance. Keep these instructions in a safe place and ensure that new users are familiar with the content. Pass them on to any future owner of the machine.

Correct usage

Only use the washing machine to wash items which are specified by the manufacturer to be machine-washable on the wash-care label, and textiles composed of hand-washable wool or wool blend fabrics as well as satin, lace, silk and other hand-washable garments. Any other applications may be dangerous. The manufacturer is not liable for damage resulting from improper use or operation.

Technical safety

Before setting up the machine, check it for any externally visible damage. Do not install and use a damaged machine.

Before connecting the machine, ensure that the connection data on the data plate match the mains electricity supply. If in any doubt, consult a qualified electrician.

The electrical safety of this machine can only be guaranteed when continuity is complete between the machine and an effective earthing system which complies with local and national regulations. It is most important that this basic safety requirement is present and regularly tested and where there is any doubt the household wiring system should be inspected by a qualified electrician.

The manufacturer cannot be held liable for the consequences of an inadequate earthing system (e.g. electric shock).

Do not connect the machine to the mains electricity supply by an extension lead. Extension leads do not guarantee the required safety of the machine (e.g. danger of overheating).

The machine is built in accordance with current safety requirements. Unauthorised repairs could result in unforeseen dangers for the user, for which the manufacturer cannot accept liability. Repairs should only be undertaken by a Miele approved technician.

Ensure current is not supplied to the machine until after maintenance or repair work has been carried out.

The machine is only completely isolated from the electricity supply when:

- it is switched off at the wall socket and the plug is withdrawn, or
- it is switched off at the mains, or
- the mains fuse is withdrawn.
- the screw-out fuse is removed (in countries where this is applicable).

Warning and safety instructions

■ The Miele "Water protection system" protects from water damage provided the following conditions have been met:

- the machine is correctly plumbed in and connected to the electricity supply.
- if a fault has been identified, the machine must be examined by a competent person before further use, and repaired if necessary.

■ Faulty components must only be replaced by genuine Miele original spare parts. Only when these parts are fitted can the safety standards of the machine be guaranteed.

■ If the connection cable is faulty it must only be replaced by a Miele approved service technician to protect the user from danger.

■ In countries where there are areas which may be subject to infestation by cockroaches or other vermin, pay particular attention to keeping the machine and its surroundings in a clean condition at all times. Any damage which may be caused by cockroaches or other vermin will not be covered by the guarantee.

Use

■ This equipment may only be used in mobile installations such as ships, caravans, aircraft etc. if a risk assessment of the installation has been carried out by a suitably qualified engineer.

■ Do not install your washing machine in rooms where temperatures below freezing may occur. Frozen hoses may burst or split. The reliability of the electronic control unit may be impaired at temperatures below freezing point.

■ Before using the machine for the first time, check that the transit fittings at the rear of the machine have been removed (see section on "Installation"). During spinning, a transit fitting which is still in place may result in damage to both the machine and adjacent furniture or appliances.

■ Turn off the stopcock if the machine is to be left for any length of time (e.g. holiday), especially if there is no floor drain (gully) in the immediate vicinity.

■ **Flooding danger**
If hooking the drain hose into a wash basin, check that the water can drain off quickly enough to prevent the sink from overflowing. Make sure the drain hose is secure, so that the force of the water flowing out of the hose does not dislodge it.

■ Take care to ensure that foreign objects (e.g. nails, pins, coins, paper clips) do not find their way into the machine with the laundry. These may damage components of the machine (e.g. suds container, drum), which in turn can result in damage to the laundry.

Warning and safety instructions

■ If the correct amount of detergent is dispensed, the machine should not need to be descaled. If, however, you do wish to descale the machine only use proprietary non-corrosive descaling agents and strictly observe the instructions on the packaging. If in doubt, contact the Miele Customer Service Dept. or your Miele Dealer.

■ Textiles which have been pre-treated in solvent based cleaning agents must be thoroughly rinsed in clean water before being washed in the machine.

■ Never use solvent based cleaning agents, e.g. those containing benzene, in this machine, as this may result in damage to component parts and create toxic fumes. Such agents also pose a fire and explosion hazard.

■ Only use dyes specified by the manufacturer as being suitable for use in a domestic washing machine. Always observe the manufacturer's instructions carefully.

■ Colour run and dye removers contain sulphur compounds which can cause damage such as corrosion. Do not use these products in this machine.

■ Always make sure the drum is stationary before reaching in to remove washing. Reaching into a moving drum is extremely dangerous.

Safety with children

■ This machine is not a toy! To avoid the risk of injury do not allow children to play on or near it or to play with the controls. Supervise its use by the elderly or infirm, and supervise children whilst you are operating the machine.

■ For machines with a 'porthole' door, remember that the porthole glass will be hot when washing at very high temperatures. Do not let children touch it.

Accessories

■ Accessory parts may only be fitted when expressly approved by Miele. If other parts are used, guarantee, performance and product liability claims will be invalidated.

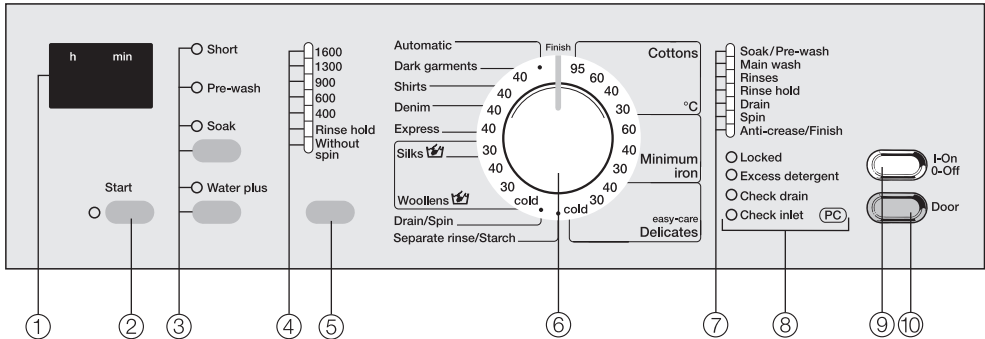
Disposal of your old machine

■ Before discarding an old machine, switch it off at the wall socket and unplug it. Render the plug useless. Cut off the cable directly behind the appliance to prevent misuse. This should be done by a competent person.

■ The manufacturer cannot be held liable for damage caused by non-compliance with these Warning and Safety instructions.

Description of the machine

Control panel



① Display

See the following page for more information.

② Start button

Starts the wash programme.

③ Additional option buttons

Additional options can be added to the basic programme.

Use the top button to select either the *Short*, *Pre-wash*, or *Soak* option. Use the lower button to select the *Water plus* option.

Indicator light on = option selected
Indicator light off = option not selected

④ Indicator lights for spin speed, Rinse hold or Without spin.

⑤ Spin button

For selecting the final spin speed, Rinse hold or Without spin.

⑥ Programme selector

For selecting the wash programme and temperature for that programme. The programme selector can be turned clockwise or anti-clockwise.

⑦ Programme sequence indicator lights

Show which section of the wash programme has been reached.

⑧ Check lights

⑨ I-On/0-Off button

For switching the machine on or off or interrupting a programme.

⑩ Door button

Opens the machine door.

Description of the machine

Display

The display shows:

- the programme duration (Time left display)
- the programmable functions

Programme duration

After the start of a programme, the estimated programme duration will appear in the display in hours and minutes.

During the first 10 minutes the washing machine measures how much water is being absorbed by the laundry and uses this to calculate the load. The programme duration may be longer or shorter depending on this absorbency rate.

Programmable functions

The programmable functions can be used to tailor washing programmes to suit your individual requirements. In programming mode, the display will show the function selected.

Before using for the first time

Before using the machine for the first time ensure that it is correctly installed and connected. See "Installation and connection". Also check that the drain filter is securely tightened. Otherwise there is a risk of water leakage during use.

For safety reasons spinning is not possible until the machine has been prepared for using for the first time. To activate the spinning function you must run a wash programme without laundry and without detergent.

Using detergent could result in an excessive build-up of foam.

This also activates the ball valve. The ball valve prevents detergent escaping from the suds container into the sump during a wash programme, thus making maximum use of the detergent.

- Open the stopcock.
- Press the *I-On/O-Off* button in.
- Turn the programme selector to *Cottons 60°C*.
- Press *Start*.

When this programme has finished turn the programme selector to *Finish*. Your washing machine is ready for using for the first time.

Washing environmentally and economically

Energy and water consumption

- Water consumption and energy usage are determined by the size of the load.
To make the most out of your machine, load the maximum dry load for the programme you are using.
- Use the *Automatic* and *Express* programmes for small loads.
- When smaller amounts of laundry are washed using the *Cottons* programmes, the automatic load recognition system will reduce the amount of water, time and energy used. This may mean that the time left shown in the display is adjusted during the course of the wash programme.
- Using the *Cottons 60°C* programme instead of the *Cottons 95°C* programme will give energy savings of between 35% and 45%. This is sufficient for most levels of soiling. For stubborn or old stains, use the *Soak* option.
- Use the additional option *Soak* instead of *Pre-wash*. If *Soak* is followed immediately by a main wash, the same suds are used.

Detergent

- Do not exceed the amounts of detergent recommended by the manufacturer on the packaging.
- Reduce the amount of detergent with smaller loads (approx. $\frac{1}{3}$ less than the amount recommended can be used when washing a half load).

Additional options (Short, Soak, Pre-wash)

Select:

- A wash programme together with the *Short* option for light to normal soiling where there are no obvious marks.
- A wash programme without any additional options for normal to heavy soiling with visible staining.
- A wash programme together with the *Soak* option for heavily soiled laundry.
- The *Pre-wash* additional option for laundry with large amounts of dirt (e.g. dust, sand).

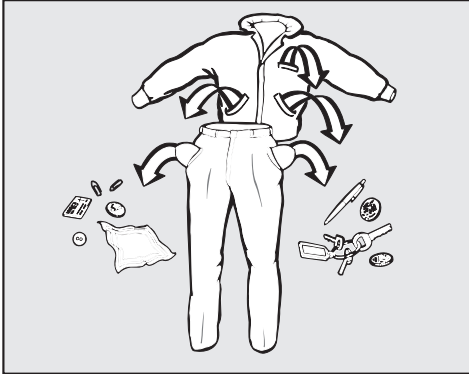
When drying with a tumble dryer

- Selecting the highest possible spin speed for the wash programme will save energy when drying in a tumble dryer afterwards.

Brief instructions

The headings numbered ①, ②, ③, . . . show the operating sequence and can be used as brief instructions.

① Sort the laundry



- Empty all pockets.

⚠ Foreign objects (e.g. nails, coins, paper clips, etc.) can cause damage to garments and components in the machine.

- Badly soiled areas, stains etc. should be cleaned as soon as possible, preferably whilst still fresh. Spillages should be carefully dabbed off using a soft colourfast cloth. Do not rub!

Badly soiled areas can be pre-treated with liquid detergent, stain removers etc. first, following the manufacturer's instructions. With particularly stubborn stains ask your dry cleaner for advice.

⚠ If you use a solvent-based cleaning agent (e.g. one containing benzene) to pre-treat a stain, make sure that any plastic parts (e.g. buttons) are protected, and that the cleaning agent is rinsed off before washing the garment in the machine.

⚠ Do not use solvent-based cleaning agents in this machine.

- Sort the laundry by colour and by care label. Most garments have a textile care label in the collar or side seam.

Dark textiles often contain excess dye and should be washed separately several times before being included in a mixed load. Always wash whites and coloureds separately.

- Curtains: Remove lead weights first or place in a laundry bag.
- Underwiring and collar stiffeners: Any loose wiring in bras, shirt collar stiffeners, etc. should be removed or sewn in.
- Knitted garments, trousers and jeans, T-shirts and sweat shirts: Turn inside out, if recommended by the manufacturer.
- Close any zips, fasten hooks and eyes etc before washing.
- Fasten duvet covers etc. to prevent small items from being rolled up inside them.

Do not wash any items in this machine which are specified by the manufacturer as **not washable** on the care label. (☒ symbol)

How to wash correctly

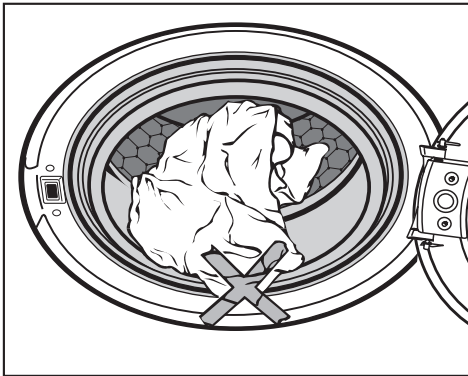
2 Switch on the washing machine

3 Load the drum

- Press the *Door* button to open the drum door.
- Unfold the laundry and load loosely in the drum. Mixing both large and small items gives better wash results and also helps distribute the load evenly during spinning.

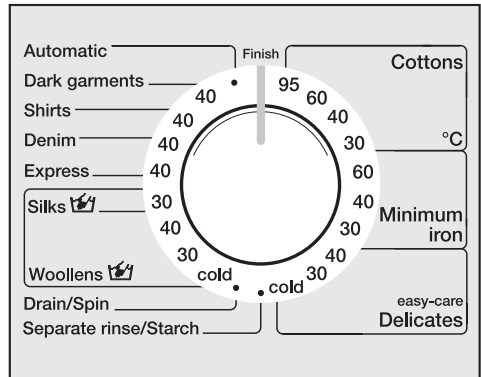
The most efficient use of energy and water is achieved when a full load is washed. Do not overload as this causes creases and reduces cleaning efficiency.

Make sure that no garments are caught between the drum door and seal.



- Shut the door with a gentle swing.

4 Select a programme



- Turn the programme selector to the required programme.

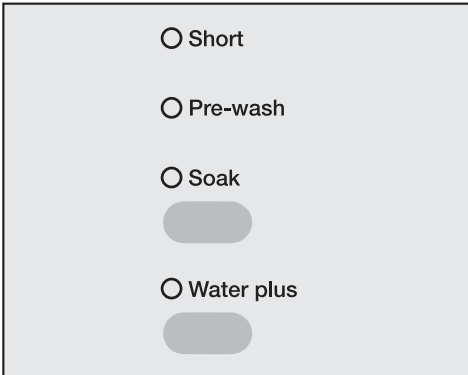
The estimated programme duration will then show in the display.

How to wash correctly

5 Select additional option(s)

Each press of the top button selects the additional options in the following order: *Short*, *Pre-wash*, *Soak*, no selection.

Use the lower button to select the *Water plus* option.

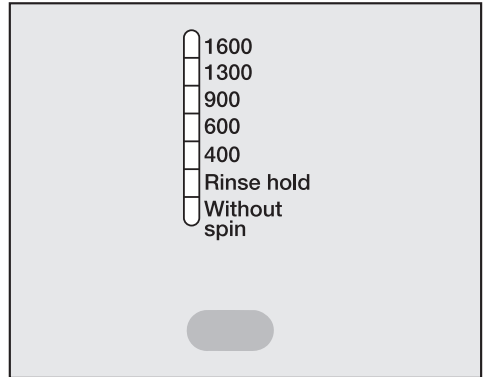


- Select the option you want.

Not all the additional options are suitable for every programme.

You can only select additional options which are compatible with the basic programme being used.

6 Select a spin speed



- Press the "Spin" button repeatedly until the indicator light for the spin speed you want comes on.

How to wash correctly

7 Add detergent

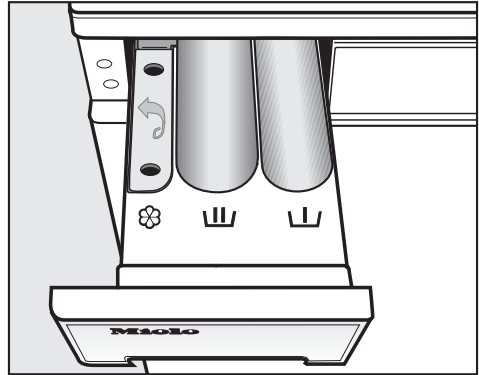
It is important to dispense the correct amount, because . . .

. . . too little detergent results in:

- Laundry not getting properly clean and with time it may become grey and hard to the touch.
- Greasy particles clinging to the laundry.
- Limescale deposits on the heater elements.

. . . too much results in:

- Excessive foam which causes a low level of agitation and poor wash, rinse and spin results.
- Higher water consumption (an additional rinse cycle will automatically switch in).
- A burden to the environment.



- Pull out the detergent drawer and place detergent in the compartments as follows:



Detergent for Pre-wash (if selecting Pre-wash, add $\frac{1}{4}$ of the total amount recommended). This compartment is also used for starch formulations when starching separately.



Detergent for the main wash, including Soak if selected



Fabric conditioners or liquid starch

- Close the detergent drawer.

See "Detergent" for further information.

How to wash correctly

8 Start the programme

- Press the flashing *Start* button.

The estimated programme duration will show in the display. During the first 10 minutes the washing machine measures how much water is being absorbed by the laundry. The programme duration may be longer or shorter depending on this absorbency rate.

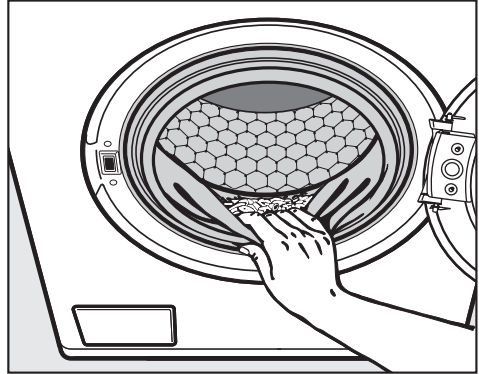
9 Remove the laundry

Only remove laundry from the machine once the drum has stopped turning. Reaching into a moving drum is extremely dangerous and could result in injury.

When the programme has finished, the *Anti-crease/Finish* indicator light will come on.

- Press the *Door* button to open the drum door.
- Remove the laundry.

Check that all items have been removed from the drum. Items left in the drum could discolour other items in the next wash or become discoloured themselves.



- Check the folds in the door seal for any small articles, e.g. buttons which might be lodged there.
- Press and release the *I-On/O-Off* button and turn the programme selector to *Finish*.
- Close the drum door. Otherwise there is the danger of objects being placed inadvertently in the drum. If these remained unnoticed and were washed in the next load, they could damage the laundry.

Additional options

You can use the additional option buttons to augment the basic wash programmes.

Short

For light to normal soiling with no visible staining.

The duration of the main wash is reduced.

In the *Dark garments* and *Denim* programmes, 2 rinses will be carried out instead of 3.

Pre-wash

For laundry with large amounts of dirt e.g. dust, sand.

Soak

For heavily soiled and stained items with protein stains (e.g. blood, fats and oils, cocoa).

- A length of time of between 30 minutes and 2 hours can be programmed in 30 minute increments for the soak process.
- The default setting is 2 hours.

To programme in a different soak period see "Programmable functions – Soak duration".

Water plus

If you want to increase the water level for a wash process you can choose one of four settings for the *Water plus* button. See "Programmable functions - Water plus system".

The machine is set at the factory so that the water level in the main wash and rinses will be increased if the *Water plus* button is pressed.

Final spin speed

Programme	rpm
Cottons	1600
Minimum iron	1200
Delicates	600
Automatic	900
Dark garments	1200
Shirts	600
Denim	900
Express	1600
Silks	400
Woolens	1200
Drain/Spin	1600
Separate rinse/Starch	1200

You can reduce the final spin speed. However, you cannot select a final spin speed higher than that shown in the chart above.

Rinse and interim spin

There is a spin after the main wash and between the rinses. A reduction in the final spin speed will also reduce the interim spin speed. If a spin speed of less than 700 rpm is selected for a *Cottons* programme, an additional rinse is introduced.

To omit the final spin (Rinse hold)

■ Select the *Rinse hold* setting. The laundry will not be spun and will remain suspended in the final rinse water. This reduces creasing if the laundry is not going to be removed from the drum immediately after the end of the programme.

– To start the final spin:

The *Rinse hold* indicator light above the "Spin" button will be lit up. Use the "Spin" button to select the spin speed you want. The final spin will then begin.



















– To end the programme:

Press the *Door* button. The water will drain away. Press the *Door* button again to open the door.








To omit rinse and interim spin and the final spin

■ Select the *Without spin* setting. The laundry is not spun after the final rinse. The water will drain away and the machine will go straight into the anti-crease stage. An additional rinse is introduced if this setting is selected with the *Cottons*, *Minimum Iron* and *Automatic* programmes.

Programme chart






















Cottons 30°C to 95°C    		Max. load 6.0 kg
Fabric	Cottons, linens or cotton mix fabrics.	
Additional options	Short or Pre-wash or Soak, Water plus	
Note for test institutes:		
Short programme: 3.0 kg load and additional option <i>Short</i>		
Minimum iron^{*)} 30°C to 60°C      		Max. load 3.0 kg
Fabric	Synthetics, mixed fibres and easy care cottons. Reduce the spin speed for fabrics which crease easily.	
Additional options	Short or Pre-wash or Soak, Water plus	
Delicates cold to 40°C    		Max. load 2.0 kg
Fabric	For delicate garments made of synthetic fibres, mixed fibres, rayon and easy care cottons. Curtains, including net curtains, specified as machine-washable by the manufacturer.	
Additional options	Short or Pre-wash or Soak	
Notes	<ul style="list-style-type: none"> – Dust in curtains usually makes using a programme with Pre-wash advisable. – For curtains which crease easily, reduce the spin speed or select Without spin. 	
Automatic 40°C  		Max. load 3.5 kg
Fabric	Mixed loads of garments suitable for the <i>Cottons</i> and <i>Minimum iron</i> programmes. Sort according to colour.	
Additional options	Short or Pre-wash or Soak, Water plus	
Dark garments^{*)} 40°C  		Max. load 3.0 kg
Garment	Dark garments made from cotton or mixed fibres.	
Additional options	Short or Pre-wash or Soak	
Notes	Wash inside out.	

Programme chart

Shirts 40°C		Max. load 2.0 kg
Additional options	Pre-wash or Soak	
Notes	<ul style="list-style-type: none"> – Pre-treat collars and cuffs if necessary. – Wash silk garments in the <i>Silks</i> programme. 	
Denim 40°C		Max. load 3.0 kg
Additional options	Short or Pre-wash or Soak	
Notes	<ul style="list-style-type: none"> – Wash denim inside out. – Denim often contains excess dye and will run during the first few washes. Wash light and dark coloured items separately. 	
Express 40°C  		Max. load 3.0 kg
Fabric	Small loads of items which require freshening up and which can be washed in a <i>Cottons</i> programme.	
Silks  30°C 		Max. load 1.0 kg
Fabric	Silks and other handwashable fabrics with no wool content, e.g. satin, lace and silk.	
Additional option	Water plus	
Notes	Place socks, tights, bras etc. in a washing bag.	
Woollens*)  cold to 40°C  		Max. load 2.0 kg
Fabric	Machine-washable or hand-washable wool or wool blend fabrics. If the care label does not specify a temperature, wash using the cold setting.	
Drain/Spin		Max. load 6.0 kg
Notes	Make sure you select the appropriate spin speed. Drain only: Select <i>Without spin</i> .	
Separate rinse/Starch*)		Max. load 6.0 kg
Note	When using starch, laundry should be washed but not treated with fabric conditioner.	

*) During the final spin the 1300 rpm indicator light will come on. However, to protect the laundry, the machine will only spin at 1200 rpm during this spin.

Programme sequence

	Main wash		Rinses		Spinning	
	Water level	Wash rhythm	Water level	Rinses	Interim spin	Final spin
Cottons		Ⓐ		2-3 ¹⁾	✓	✓
Minimum iron		Ⓐ		2-3 ²⁾	✓	✓
Delicates		Ⓑ		3	–	✓
Automatic		Ⓐ		2-3 ²⁾	✓	✓
Dark garments		Ⓐ		3	✓	✓
Shirts		Ⓐ		2	–	✓
Denim		Ⓐ		3	–	✓
Express		Ⓐ		2	✓	✓
Silks		Ⓓ		2	–	✓
Woollens		Ⓒ		2	✓	✓
Drain/Spin	–	–	–	–	–	✓
Separate rinse/ Starch	–	–		1	–	✓

 = Low water level

 = Medium water level

 = High water level

Ⓐ = Normal wash rhythm

Ⓑ = Gentle action

Ⓒ = Woollens

Ⓓ = Silks

See the following page for more information about the programme sequences.

This washing machine has fully electronic controls with automatic load recognition. It takes in the right amount of water required for the programme depending on the amount of laundry and its absorbency rate. This means that programme cycles and durations can vary.

The programme sequences outlined in the chart are based on the basic programme with a full load. Additional options which can be selected have not been taken into account.

The programme sequence display shows the stage the programme has reached.

Special features in the programme sequences:

Anti-crease:

At the end of every programme, with the exception of the *Woolless* programme, the drum continues to turn at intervals for up to 30 minutes to help prevent creasing. The door can be opened and laundry removed at any time during the anti-crease phase.

- 1) The water level in the rinses is increased when a temperature below 60°C is selected.






A third rinse is carried out if:




- there is too much foam in the drum
- a spin speed lower than 700 rpm has been selected
- *Without spin* has been selected





- 2) A third rinse is carried out if:





Without spin has been selected




Garment care label symbols

Washing	
The figure quoted in the bucket is the maximum temperature the garment can be washed at. The number of bars under the symbol indicates the level of agitation permitted.	
	No bar under the symbol: = normal agitation
	One bar under the symbol: = reduced agitation
	Two bars under the symbol: = much reduced agitation
	Hand wash (if no temperature is specified use the lowest temperature or cold)
	Do not wash

Drying	
The number of dots indicates the drying temperature	
	Normal temperature
	Low temperature
	Do not tumble dry

Ironing	
The number of dots indicates the ironing temperature	
	Hot iron (max sole plate temp. approx. 200°C)
	Medium hot iron (max sole plate temp. approx. 150°C)
	Cool iron (max sole plate temp. approx. 110°C). Do not steam iron garments carrying this symbol.
	Do not iron

Professional cleaning	
	Dry clean only. The letters indicate the type of cleaning agent required.
	
	Professional Wet Clean only
	Do not dry clean

Bleaching	
	Any oxidising bleaching agent can be used
	Only use an oxygen based bleach or a non-chlorine bleach
	Do not bleach

Changing the programme sequence

Cancelling a programme

You can cancel a programme at any time after it has started.

- Turn the programme selector to *Finish*.

The programme has been cancelled when the *Anti-crease/Finish* indicator light comes on.

If you want to remove the laundry:

- Press the *Door* button.

The suds will be pumped away.

If you want to select a different programme:

- Switch the machine off and then back on again with the *I-On/O-Off* button.
- Select and start a new programme.

To interrupt a programme

- Switch the washing machine off with *I-On/O-Off* button.

To continue with the same programme:

- Switch the machine back on with the *I-On/O-Off* button.

Changing a programme

After the start of a programme it is no longer possible to select a different programme. If the programme selector is moved, the *Anti-crease/Finish* indicator light will start flashing. However, the programme sequence remains unaffected.

Changing the temperature

It is possible to select a different temperature up to 6 minutes after the programme has started.

Changing the spin speed

It is possible to change the spin speed at any time.

Selecting or deselecting an additional option

It is possible to select or deselect the *Water plus* additional option up to 6 minutes after the programme has started.

Skipping a programme stage

- Turn the programme selector to *Finish*.

As soon as the programme sequence indicator light for the programme stage you want the programme to continue at starts flashing:

- Turn the programme selector back to the appropriate programme again within 4 seconds.

Changing the programme sequence

Adding or removing laundry after a programme has started

- Press the *Door* button in until the drum door springs open.
- Add or remove items.
- Close the door.

The programme will continue automatically.

Please note:

Once a programme has started the machine cannot recognise any adjustment to the load.

For this reason, if laundry is added or removed after the start of a programme, the machine will always complete the programme cycle assuming a full load which can lead to an increase in the time remaining for the programme shown in the display.

The door cannot be opened, if:

- the suds temperature is above 55°C.
- the water is above a certain level.
- the safety lock is activated.
- the programme has reached the *Final spin* stage.

The *Locked* check light will come on if the *Door* button is pressed when the above conditions are present.

Safety lock

The safety lock prevents the machine from being opened or the programme cancelled during a wash programme.

To activate the safety lock

- After the start of a programme, press the *Start* button for at least 4 seconds until the *Locked* check light (lower right on the control panel) comes on.

The safety lock is now activated.

The safety lock is deactivated automatically at the end of the programme.

To deactivate the safety lock

- Press the *Start* button for at least 4 seconds until the *Locked* check light (lower right on the control panel) goes out.

Exception:

If the programme selector has been moved and the *Anti-crease/Finish* indicator light is flashing in the sequence display.

- First, turn the programme selector back to the programme chosen previously. The *Anti-crease/Finish* indicator light will go out.
- You can now deactivate the safety lock.

Changing the programme sequence

Electronic system lock

The system lock prevents your machine being used without your knowledge.

If the system lock has been activated it is not possible to start a programme.

To activate the system lock

Before you begin, first ensure that:

- The drum door is closed.
- The programme selector is at *Finish*.

- ➊ Switch the machine on using the *I-On/O-Off* button.
- ➋ Press the *Short, Pre-wash* or *Soak* button and keep it pressed in while carrying out steps ➌ to ➍.
- ➌ Slowly turn the programme selector clockwise stage by stage to *Cottons 60°C*.
- ➍ Now slowly turn the programme selector anti-clockwise stage by stage to *Finish*.

- ➎ Next slowly turn the programme selector anti-clockwise stage by stage to *Shirts 40°C*. The *Locked* check light (lower right on the control panel) will flash.
- ➏ Now release the *Short, Pre-wash* or *Soak* button.
- ➐ Turn the programme selector to the *Finish* position.
- ➑ Switch the washing machine off using the *I-On/O-Off* button.

To deactivate the system lock

Repeat steps ➊ to ➏. The *Locked* check light will go out.



Detergent

The correct detergent

All modern detergents produced for automatic washing machines are suitable. Use dispensing aids, e.g. balls, if these are supplied with the detergent. Tablets are suitable for full loads but note that it may be impractical to reduce tablets for smaller loads. Some tablets do not dissolve as rapidly as others and may not be suitable for programmes with short durations.

Do not use biological detergents on silk as the enzymes may damage the silk! Instructions for use and recommended amounts for a full load are given on the detergent packaging.

Liquid detergent should be dispensed using a ball provided by the manufacturer for programmes without a pre-wash.

For programmes with a pre-wash you will need to purchase a special container from the Miele Spare Parts department which sits in the main wash compartment  of the detergent dispenser drawer. Add liquid detergent to this container for the main wash and to compartment  for the pre-wash.

	All purpose detergent for whites*	Detergent for coloured fabrics*	Detergent for delicates
Cottons	X	X	
Minimum iron	X	X	
Delicates			X
Automatic	X	X	
Dark garments		X ¹⁾	
Shirts	X	X	
Denim		X ¹⁾	
Express	X	X	
Silks	Liquid detergent for machine-washable silk and woollens		
Woollens	Liquid detergent for machine-washable woollens		
Separate rinse/ Starch	Liquid starch, starch formulations, viscous liquid starch, starch		

1) Only use liquid detergent

*Powder detergent, tablet detergent, liquid detergent and liquid tab detergent.

The right amount to dispense will depend on the following:

- The quantity of laundry.
- The soiling level of the laundry.

Lightly soiled

No visible dirt or stains.

Normally soiled

Visibly dirty and/or just a few slight stains.

Heavily soiled

Visible dirt and stains and/or dried on soiling.

- The water hardness level.
Check with your local water supplier if you do not know the hardness level in your area.


Water softeners

A water softener can be used to cut down on the use of detergents in hard water areas. Dispense according to the amount specified on the packaging. First add detergent and then the water softener.

Use a quantity of detergent as for soft water.

Miele do not recommend connecting the machine to a household water softener.

Washing with several components

If you wash using several components (e.g. special application detergents), we recommend always dispensing the agents into compartment  in the following order:

1. Detergent
2. Water softener
3. Stain remover

This way the agents are distributed more evenly.

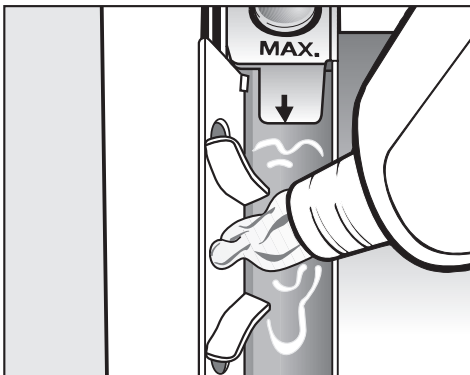
Detergent

Fabric conditioners and liquid starch

Fabric conditioners make garments soft to handle and help prevent static cling when tumble drying.

Starch stiffens and gives body to items of laundry, e.g. shirts, tablecloths and bed linen.

Automatic dispensing of fabric conditioner or liquid starch to laundry at the end of a programme



- Add the fabric conditioner or liquid starch to compartment ⊗. **Do not exceed the maximum level mark.**

It will be automatically dispensed in the last rinse. At the end of the programme a small amount of water remains in the fabric conditioner compartment ⊗.

If starching frequently, the dispenser compartment and especially the siphon tube and conditioner channel will need regular cleaning to remove any residual starch. See "Cleaning the detergent dispenser drawer".


Do not add powder starch formulations or viscous liquid starch to the ⊗ compartment as it will clog up. See below.

Adding fabric conditioner or starch separately


- Dispense in accordance with manufacturer's instructions on the packaging.
- Add powder or viscose starch to compartment ⊥.
- Add the fabric conditioner or liquid starch to compartment ⊗.
- Turn the programme selector to *Separate rinse/Starch*
- Select a spin speed.
- Press the *Start* button.

Colour run and dye removers / dyes

- Do not use colour run or dye removers in this washing machine.
- Dyes suitable for use in domestic washing machines can be used. However, please note that the salt used in the dyeing process can cause corrosion to stainless steel components in the machine if you dye frequently. Always observe the manufacturer's instructions carefully.

 Disconnect the machine from the mains electricity supply and withdraw the plug from the socket prior to cleaning the machine.

- Clean the casing with a mild non-abrasive detergent or soap and water. Wipe dry with a soft cloth.
- Clean the fascia panel with a damp cloth and wipe dry with a soft cloth.
- The drum can be cleaned using a suitable proprietary stainless steel cleaning agent following the manufacturer's instructions on the packaging.

 Do not use solvents, abrasive cleaners, glass cleaners or all-purpose cleaning agents. These might damage plastic surfaces and other components because of the chemicals they contain.
The washing machine must not be hosed down.

E-Cloth

A microfibre "E-Cloth" is available from the Miele UK Spare Parts Department, which is suitable for cleaning surfaces such as stainless steel, glass, plastic and chrome without the use of chemicals. It can be washed 300 times.

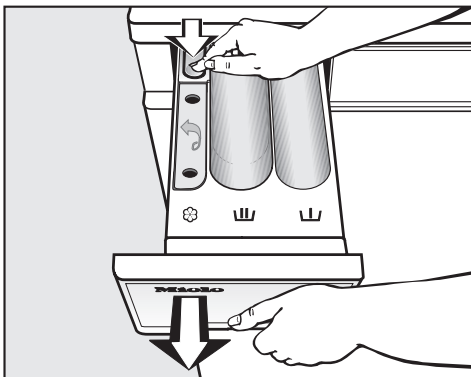
Extra cleaning

Carry out a hot wash (70°C or above) with powder detergent approx. every 6 weeks to help prevent deposits building up in the machine. These can occur when washing is mainly done at low temperatures, and also lead to unpleasant smells. If you have no reason to wash occasionally at this high temperature, then run a Cottons 95°C programme with detergent but no laundry at regular intervals.

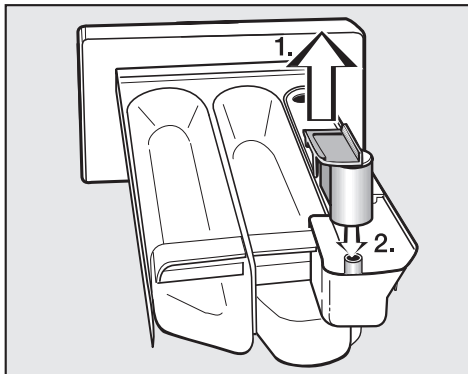
Cleaning and care

Cleaning the detergent dispenser drawer

Remove detergent residues regularly.



- Pull out the detergent dispenser drawer until a resistance is felt. Press down the release catch and at the same time pull the drawer right out of the machine.
- Clean the detergent drawer with warm water.



- Clean the siphon.

1. Remove the siphon from compartment ☼. Wash under running warm water. Clean the siphon tube in the same way.
2. Replace the siphon.

Over time, detergent residue can build up in the water jets in the top of the detergent drawer housing.

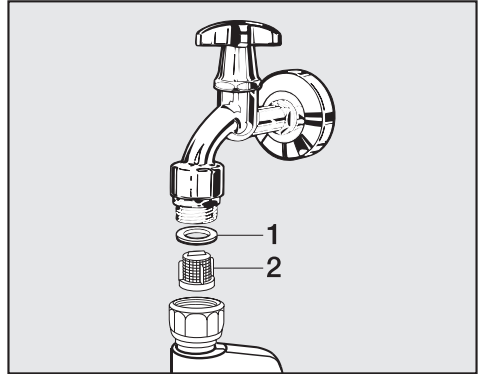
- Before replacing the detergent drawer, use a bottle brush or similar to clean them out.

Cleaning the filter in the water inlet

The washing machine has a filter to protect the water inlet valve.

The accessible filter in the union in the open end of the inlet hose should be checked every six months, or more often if there are frequent interruptions to the external water supply.

- First turn off the stopcock.
- Unscrew the threaded union connecting the free end of the inlet hose to the stopcock.




- Remove the rubber seal **1** from the recess.
- Using pointed pliers, take hold of the plastic filter bar **2** and remove.
- Clean the plastic filter.
- Put the filter and seal back in the reverse order and reconnect the hose.

Turn on the stopcock and check the connection is watertight. If water drips out, tighten the connection.

Never forget to put the filter back in place after cleaning.

Problem solving guide

With the help of the following notes minor faults in the performance of the appliance, some of which may result from incorrect operation, can be put right without contacting the Service Department.

 Repair work to electrical appliances should only be carried out by a suitably qualified person in accordance with local and national safety regulations. Repairs and other work by unqualified persons could be dangerous. The manufacturer cannot be held liable for unauthorised work.

The programme does not start.

Problem	Possible cause	Remedy
The <i>Anti-crease/Finish</i> indicator light is not on, or the <i>Start</i> indicator light is not flashing.	There is no power.	Check that <ul style="list-style-type: none">– the mains plug is plugged in and switched on.– the fuse or circuit breaker has not tripped.– the drum door is properly shut.
The <i>Locked</i> check light is flashing.	The system lock has been activated.	Deactivate the system lock.

The wash programme stops and a fault indicator light comes on		
Problem	Possible cause	Remedy ❶
The <i>Check drain</i> light flashes. "--" appears in the display.	The water outlet is blocked.	Clean the drain filter and the drain pump as described in "Problem solving guide - Opening the drum door in the event of a blocked drain outlet and/or power failure".
	The drain hose has been fixed too high.	The maximum delivery head is 1 m.
The <i>Check inlet</i> light flashes. "--" appears in the display.	The water inlet is blocked.	Open the stopcock.
	The filter in the water inlet hose is dirty.	Clean the filter.
The <i>Check inlet</i> and <i>Check drain</i> lights are flashing. "--" appears in the display.	The water protection system has reacted.	Call the Service Department.
The <i>Soak/Pre-wash</i> or <i>Rinses</i> indicator light is flashing. "--" appears in the display.	There is a fault.	Start the programme again. If the fault indicators occur again, contact the Service Department.


- ❶ To switch off the fault indicator: switch the washing machine off with the *I-On/O-Off* button and turn the programme selector to *Finish*.

Problem solving guide

A fault indicator light comes on but the wash programme continues as normal		
Problem	Possible cause	Remedy ①
The <i>Check drain</i> light flashes.	The drain outlet is restricted.	Clean the drain filter and the drain pump as described in "Problem solving guide - Opening the drum door in the event of a blocked drain outlet and/or power failure".
The <i>Check inlet</i> light flashes.	The water inlet is restricted.	Check whether <ul style="list-style-type: none"> – the stopcock is opened wide enough. – the inlet hose is kinked.
	The filter in the water inlet hose is dirty.	Clean the filter.
The <i>Excess detergent</i> check light comes on.	Excessive foam has built up during washing.	Use less detergent next time and follow the manufacturer's instructions on dosage given on the packaging.
The <i>Main wash</i> indicator light is flashing.	There is a fault.	Start the programme again. If the fault indicator occurs again, contact the Service Department.
The <i>Anti-crease/Finish</i> indicator light is flashing.	The position of the programme selector was altered after the start of the programme. Turn the programme selector back to the programme previously chosen.	

① To switch off the fault indicator: switch the washing machine off with the *I-On/O-Off* button and turn the programme selector to *Finish*.

Problem solving guide

General problems		
Problem	Possible cause	Remedy
The machine shakes during the spin cycle.	The machine feet are not level.	Level the machine (see "Installation").
The pump makes strange noises.	This is not a fault! These noises occur at the end of a pump sequence as a normal part of the operation.	
The programme selector light ring is not lit up.	The machine has switched off the light ring to save energy. To switch the light ring back on again: press one of the additional option buttons or turn the programme selector.	
Large amounts of detergent residue remain in the detergent dispenser drawer.	The water pressure is too low.	<ul style="list-style-type: none"> – Clean the filter in the water inlet. – It may be useful to press the <i>Water plus</i> button.
	Powder detergent used in conjunction with water softeners tends to become sticky.	In future, add washing powder into the dispenser drawer first, and then add the water softener.
Fabric conditioner is not completely dispensed or too much water remains in the  compartment.	The siphon tube is not correctly positioned, or is clogged up.	Clean the siphon, (see "Cleaning and care" - "Cleaning the detergent dispenser drawer").
The laundry has not been spun satisfactorily.	The spin speed selected was too low.	Select a higher spin speed next time.
When laundry is dry it feels hard to the touch.	Too vigorous wash action.	Programme in gentle action and more water.
	Not enough detergent used.	Increase detergent dose to prevent limescale build up in laundry.
	No fabric conditioner used.	Use fabric conditioner in last rinse.

Problem solving guide

An unsatisfactory wash result		
Problem	Possible cause	Remedy
Liquid detergent does not give the required result.	Liquid detergents usually contain no bleaching agents. They do not remove fruit, coffee and tea stains.	<ul style="list-style-type: none"> – Use a general purpose detergent containing a bleaching agent. – Pour stain removers into compartment III of the dispenser drawer and liquid detergent into a dispenser ball. – Never put stain removers and liquid detergent together in the dispenser drawer.
Grey, greasy particles cling to washed laundry.	Insufficient amounts of detergent were used to break down the particles of grease in heavily soiled laundry.	<ul style="list-style-type: none"> – Use more detergent. – Before washing the next load run a <i>Cottons 95°C</i> programme with powder detergent but without a load.
A stale smell is in the drum and on laundry.	Low temperature washing.	<ul style="list-style-type: none"> – Before washing the next load run a <i>Cottons 95°C</i> programme with powder detergent but without a load.
White residues which look like powder detergent are seen on dark textiles after washing.	The detergent contained compounds (zeolites) to aid water softening which are not soluble in water. They have ended up on the laundry.	<ul style="list-style-type: none"> – Try and brush off the residues with a soft brush once the laundry is dry. – Wash dark textiles using a detergent which contains no zeolites. Liquid detergents usually contain no zeolites. – Use the <i>Dark garments</i> programme.
Clothes are coming out creased.	Programme was overloaded.	<ul style="list-style-type: none"> – Reduce quantity of clothes in drum.
	The wrong programme was used.	<ul style="list-style-type: none"> – Check care labels and the programme chart. – Use easy iron conditioners.

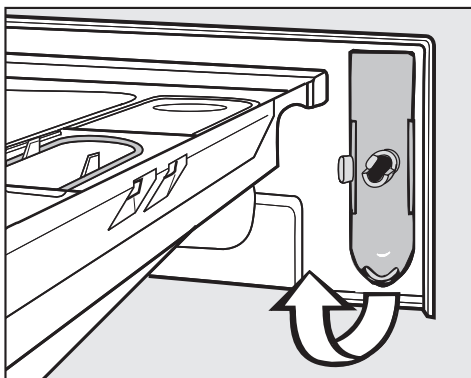
The drum door does not open when you press the Door button	
Possible cause	Remedy
The machine is not connected to the electricity supply and / or is not switched on.	Put the plug in the socket and switch on and / or switch the machine on with the <i>I-On/O-Off</i> button.
The electronic programme locking has been activated.	This is automatically deactivated at the end of a programme. To deactivate it early see "Changing the programme sequence".
The electronic system lock has been activated.	To deactivate it see "Changing the programme sequence".
Power cut.	Open the drum door as described in "Opening the door in the event of a blocked drain outlet and/or power failure".
The door was not correctly engaged.	Press hard against the lock side of the drum door and then press the <i>Door</i> button.
There is still water in the drum and the machine is unable to drain.	Clean the drain filter and the drain pump.
For safety reasons the drum door cannot be opened if the suds temperature is higher than 55°C.	

Problem solving guide

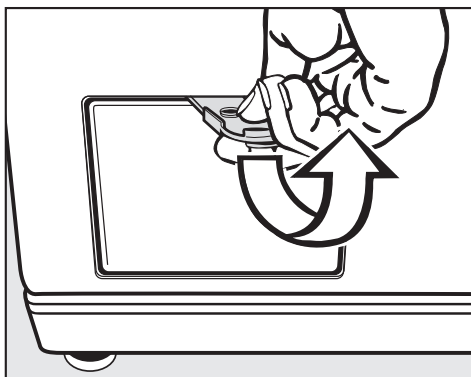
Opening the drum door in the event of a blocked drain outlet and/or power failure

- Switch the washing machine off.

There is a lever behind the detergent drawer fascia panel.



- Remove the lever.



- Use it to open the access flap.

Blocked drain outlet

If the drain outlet is blocked, up to 25 litres of water will be retained in the machine.

⚠ Caution: if laundry has been washed at a high temperature, water draining out of the machine will still be hot. Danger of scalding!

Procedure for draining the machine

- Place a suitable container under the access flap.

When draining water from the machine, do **not** unscrew the drain filter completely or take it right out.



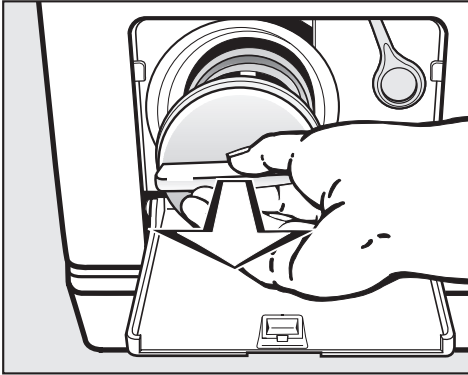
- Unscrew the drain filter lid until water runs out.

To interrupt the flow of water:

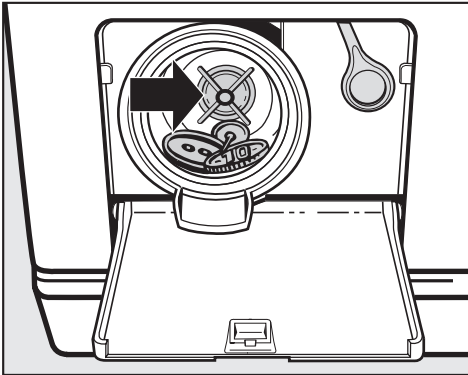
- Tighten the drain filter back up again.

Problem solving guide


Once the flow of water ceases:




- Remove the drain filter completely.
- Clean it thoroughly.

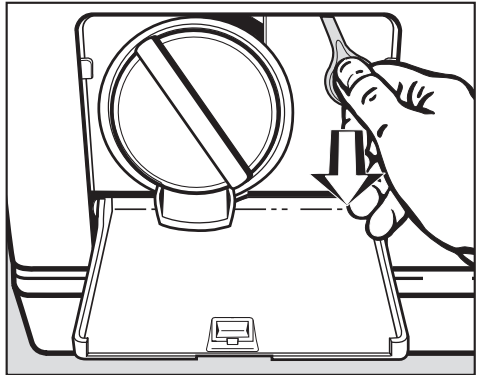


- Remove any foreign objects (e.g. buttons, coins, etc.) and fluff from the filter housing. Turn the impeller by hand to check that it rotates freely. Any foreign object causing an obstruction should be removed.
- Put the drain filter back in place and secure.

 Make sure the drain filter is securely tightened. Otherwise there is a risk of water leakage during use.

Opening the drum door

 Always make sure that the drum is stationary before reaching into the machine to remove laundry. Reaching into a moving drum is extremely dangerous.



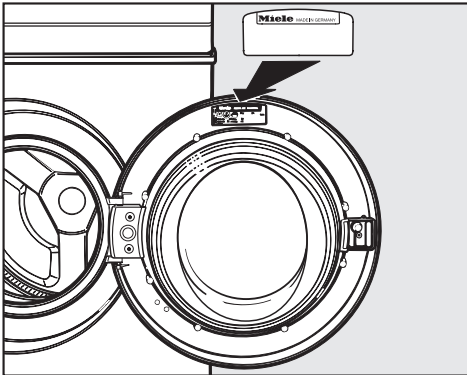
- Pull the emergency release downwards (see illustration). The drum door will open.

After sales service

In the event of any faults which you cannot remedy yourself, please contact:

- your Miele Dealer or
- the Miele Service Department (see back cover for contact details).

When contacting your Dealer or the Service Department, please quote the model and serial number of your machine, both of which are shown on the data plate visible above the porthole glass when the door is open.



Future updates (PC)

The indicator light marked PC is the interface used by Miele service technicians during servicing work for testing purposes and for updating the machine's programme data.

Appliance guarantee

Please see the guarantee card supplied with your machine.

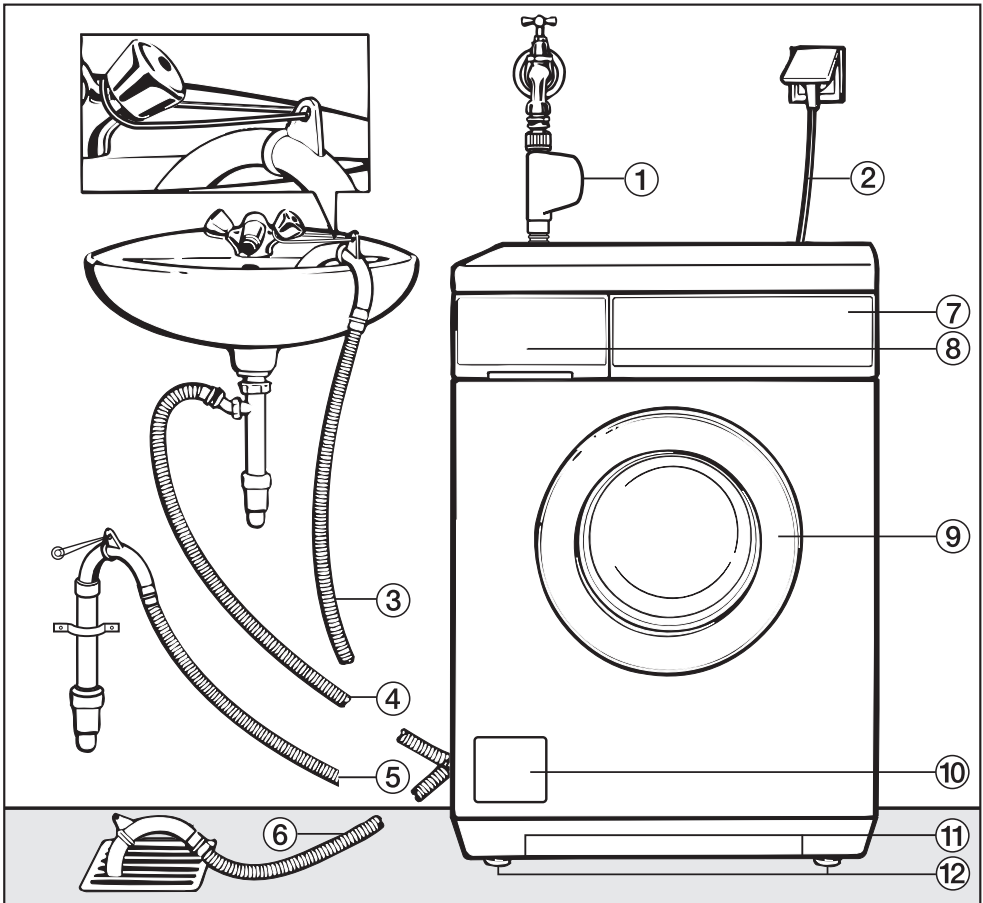
Optional accessories

Optional accessories for this washing machine are available from your Miele Dealer or from the Miele Spare Parts Department.

Please note that telephone calls may be monitored and recorded for training purposes.

Installation and connection

Front view



① Inlet hose with "Waterproof" system

② Electricity supply cable

③ - ⑥ Flexible drain hose (with detachable swivel elbow)

⑦ Control panel

⑧ Detergent dispenser drawer

⑨ Drum door

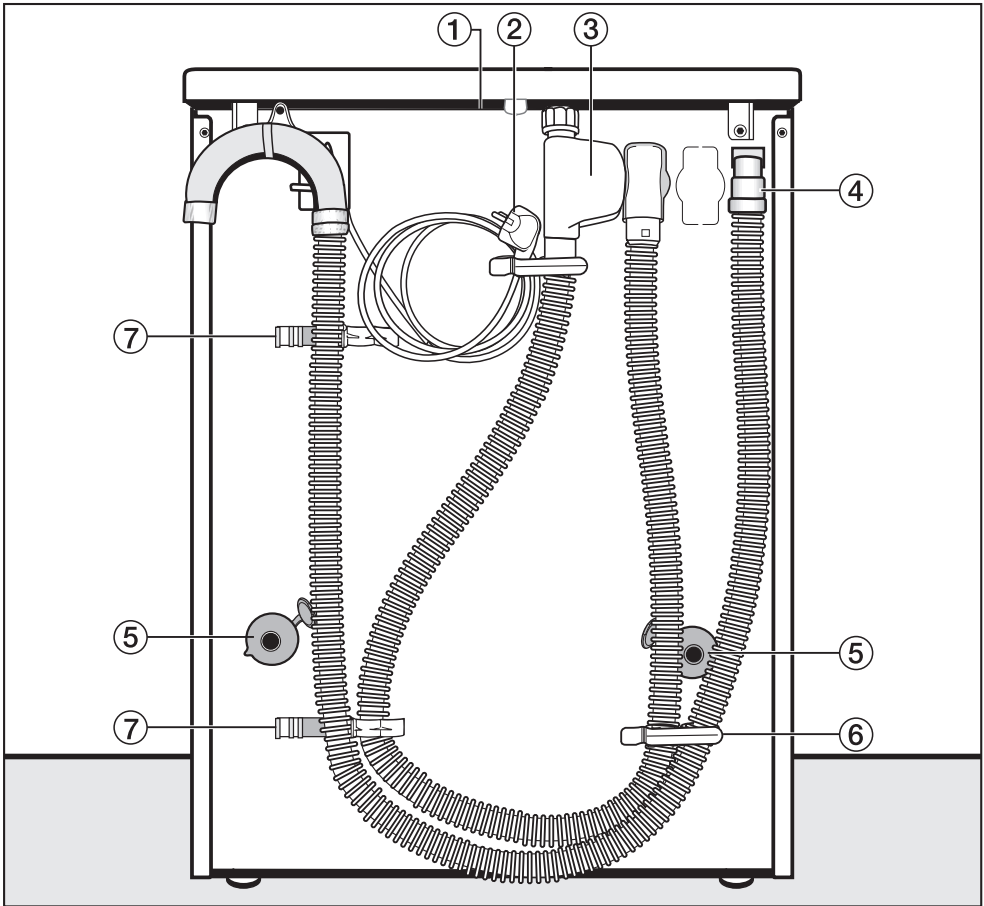
⑩ Access to drain filter, drain pump and emergency release

⑪ Handle recesses for moving the machine

⑫ Four height adjustable feet

Installation and connection

Rear view



- ① Protruding lid for holding when moving the machine
- ② Electricity supply cable
- ③ Inlet hose with "Waterproof" system
- ④ Drain hose

- ⑤ Transit bar covers
- ⑥ Restraining clip for inlet hose and drain hose
- ⑦ Restraining clips for transit bars when removed

Installation and connection

Installation surface

A concrete floor is the most suitable installation surface for a washing machine, being far less prone to vibration during the spin cycle than wooden floorboards or a carpeted surface.

Please note the following points:

- The machine must be level and securely positioned.
- To avoid vibrations during spinning, the machine should not be installed on soft floor coverings.

If installing on a wooden joist floor:

- We recommend a plywood base (at least 59x52x3 cm). The base should span several joists and be bolted to the joists and not only to the floorboards. Check for the presence of pipes and cables.

If possible, install the machine in a corner, as this is usually the most stable part of the floor.

⚠ If the machine is installed on a raised plinth, it **has to be secured** against slippage during spinning using retaining clips (available from the Miele Spare Parts Dept).

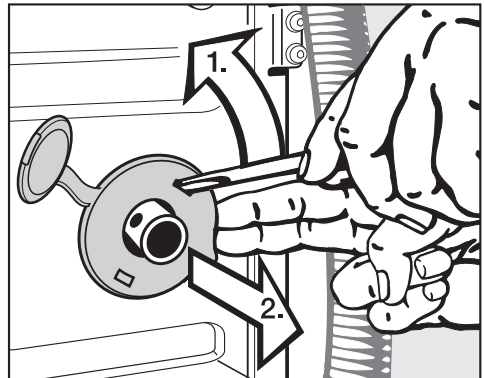
Installing the washing machine

To manoeuvre the machine out of its packing case to its installation site hold it by the edge of the lid where it protrudes to the rear of the washing machine as well as by the handle recesses at the front.

Do not lift the machine by the drum door.

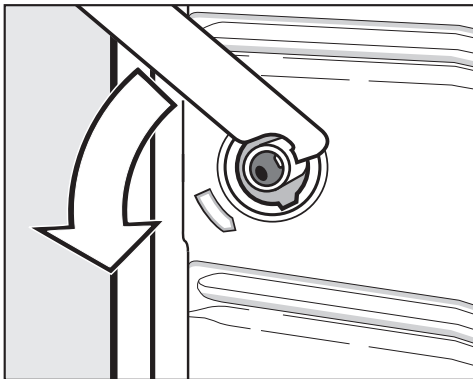
⚠ Ensure that the machine feet and the floor are dry to prevent the machine from slipping during the spin cycle.

Removing the transit bars

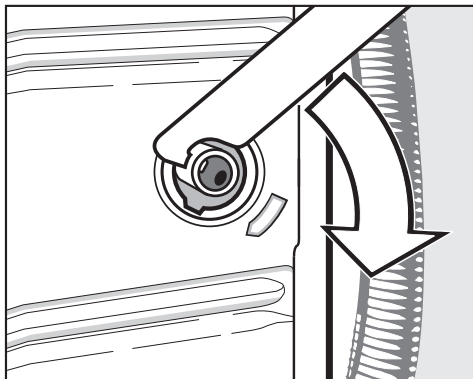


- To remove the left and right covers
 1. Use a screwdriver to prise out the cover as illustrated.
 2. Pull the cover forwards to remove.

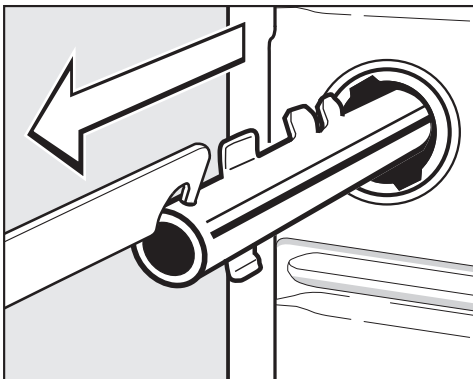
Installation and connection



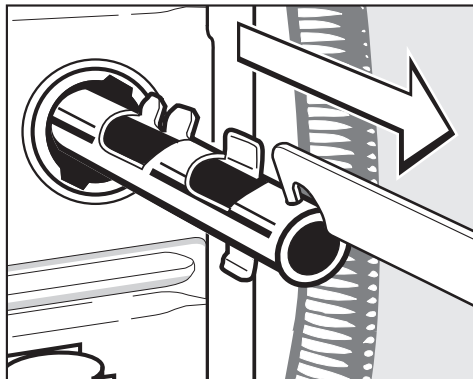
- Using the spanner supplied turn the left-hand transit bar 90°, then



- Turn the right-hand transit bar 90°, then

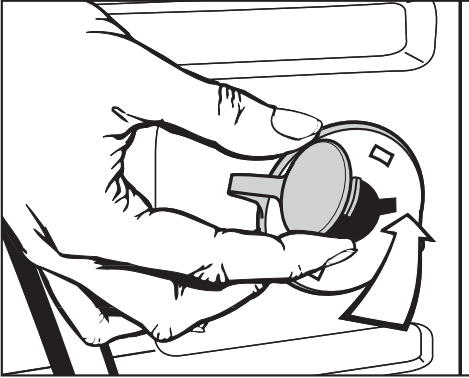


- withdraw the transit bar.

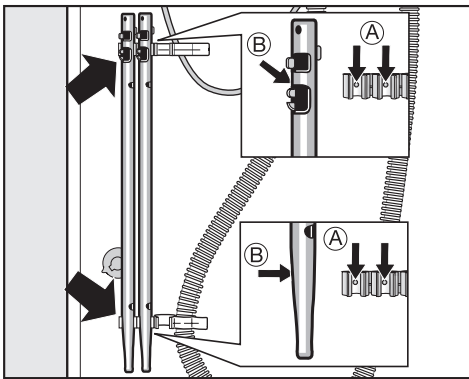


- withdraw the transit bar.


Installation and connection



- Fit the covers on to the two holes. Then plug the holes as shown with the caps.



- Secure the transit bars to the back of the washing machine. Make sure that holes (B) are fitted over retainers (A).

 The washing machine must not be moved without the transit bars in place.

Store the transit bars as shown or keep them in a safe place for future use. They must be re-fitted if the machine is to be moved again (e.g. when moving house).

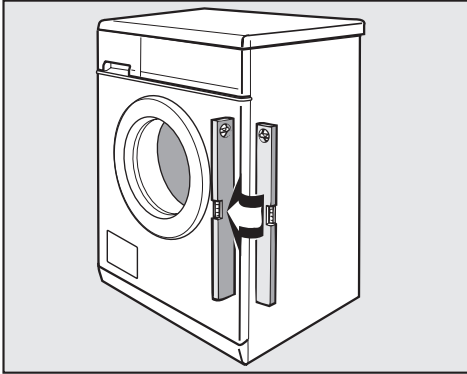
Re-fitting the transit bars

Re-fitting is carried out by reversing the procedure.

Installation and connection

Levelling the machine

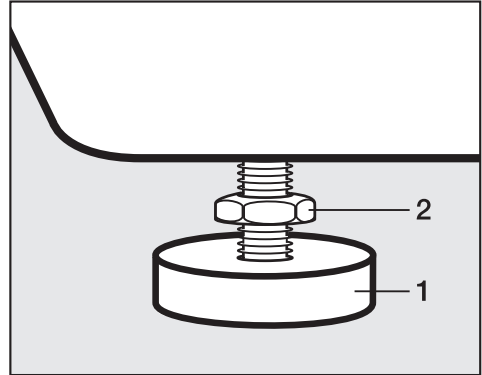
The machine must stand perfectly level on all four feet to ensure safe and proper operation.



Incorrect installation may increase electricity and water consumption and may cause the machine to move about.

Screwing out and adjusting the feet

The four adjustable screw feet are used to level the machine. All four feet are screwed in when the machine is delivered.



- Using the spanner supplied turn counter nut **2** in a clockwise direction. Then turn counter nut **2** together with foot **1** to unscrew.
- Use a spirit level to check the machine is standing level.
- Hold foot **1** securely with a pipe wrench. Turn counter nut **2** again using the spanner supplied until it sits firmly up against the housing.

⚠ All four counternuts must be firmly up against the housing. Please also check this for the feet which did not need adjustment. Otherwise there is the danger of the machine moving about.

The fitting of building under kits and stacking kits must only be undertaken by qualified and competent persons, in accordance with the instructions supplied with the kit.

Building under a continuous worktop/in a kitchen run

If you wish to push your machine under a worktop and there is space to do this **without removing the lid**, the conversion kit is not necessary. Otherwise the conversion kit is essential.

- A special building under conversion kit* is required.
The machine lid must be replaced by a cover plate. To ensure electrical safety the cover plate must be fitted.
- For installation under a work surface 900/910 mm from the floor, a raising kit* is required.
- Connections for electricity, water and drainage should be installed in such a way that they remain accessible when the machine is in place.

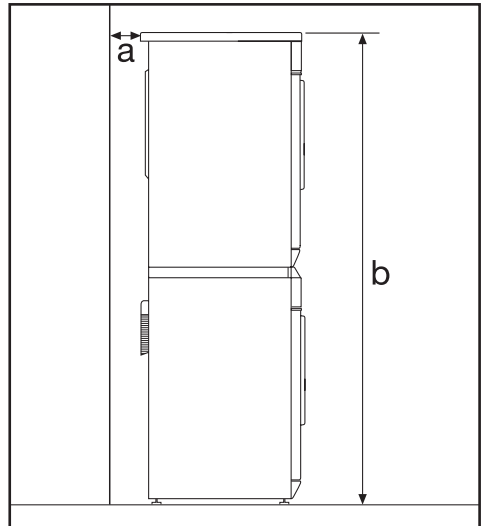
Fitting instructions are supplied with the conversion kit.

All parts marked* are available from your Dealer or the Miele Spare Parts Department.

Washer and Dryer stack

A Miele tumble dryer can be stacked with the washing machine. A "WTV" stacking kit* is necessary and can be purchased from the Miele Spare Parts Department.

Please note



a Safety distance to wall:
at least 2 cm

b Height:
Stacking kit with pull-out shelf:
approx. 169 cm
Stacking kit without pull-out shelf:
approx. 170 cm

Replacing the lid

If the lid has been removed in order to fit a stacking kit or cover plate, ensure that, if the lid is replaced, it fits securely into the rear holders. Otherwise, it is not properly secure for transport.

Installation and connection

The Miele Waterproof system

The Miele Waterproof system protects the washing machine from water damage.

The system consists of three main components:

- 1) the inlet hose
- 2) the electronic unit and the washing machine housing
- 3) the drain hose

1) Inlet hose

- The inlet hose is fitted with an additional electrical safety valve which works like an automatic stopcock and is housed in the inlet hose connection box.
- It is pressure tested to between 7,000 and 10,000 kPa.
- The inlet hose has a protective sleeve.

Any leaking water from the inlet hose is fed into the sump through this protective sleeve. A float switches off the safety valve, preventing any more water from flowing into the machine and water in the suds container is pumped away.

2) Electronic unit and washing machine housing

- Sump

Any leaking water is collected in a sump in the base of the machine. A float switches off the safety valves, preventing any more water from flowing into the machine and water in the suds container is pumped away.


- Overflow protection

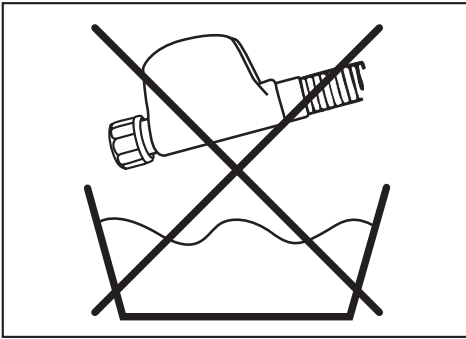
This prevents the washing machine taking in too much water. If the water level exceeds a certain level, the drain pump switches in and pumps the excess water away.

3) Drain hose

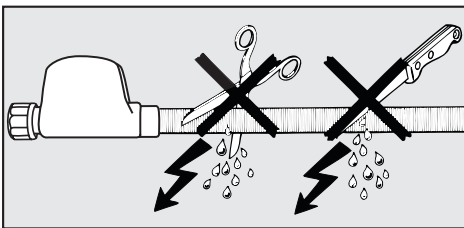
The drain hose is protected by a ventilation system which prevents the washing machine from being emptied completely.

Connection to the water supply

 The plastic casing of the safety valve contains electrical components. The Waterproof system must only be connected to its own stopcock. It must not be connected to mixer taps or similar and must not be fitted in areas where there is the risk of water or other liquids reaching it.



Do not get wet.




The protective sleeve of the hose must not be damaged or kinked.

The machine should be connected to the mains water supply in accordance with local and national safety regulations. The German authorities do not require it to have a non-return valve as the washing machine has been designed to comply with DIN regulations.

The machine is designed to operate with a flow pressure of between 100 and 1,000 kPa (1-10 bar). If it is higher than 1,000 kPa it is essential to fit a pressure reducing valve.

Connection to the mains water supply should incorporate a mains stopcock with $\frac{3}{4}$ " thread. The stopcock should be fitted by a qualified plumber.

 The connection point is subject to mains water pressure. Turn on the stopcock slowly and check for leaks. Correct the position of the washer and union if appropriate.

The washing machine is **not** suitable for connection to a hot water supply and connection to a household water softener is not recommended.

Installation and connection

Maintenance and care

If you intend to unscrew the Miele Waterproof system hose from the stopcock it is essential to disconnect the machine from the electricity supply first.

Only use a **Miele Waterproof system** hose should you need a replacement.

In order to protect the water inlet valve, the dirt filter in the water inlet valve connection must not be removed.

Extension hose

A 1.5 metre long (metal) extension hose is available from your Miele dealer or the Miele Spare Parts Department as an optional extra.

This hose is tested to withstand pressures of up to 14,000 kPa and can be used as a flexible extension to the water supply.

N.B. Using this hose renders the Waterproof system safety valve on the inlet hose ineffective.

Connection to the drainage system

The machine drains via a drain pump with a delivery head of 1 metre*.

The drain hose must not be kinked as this restricts drainage. The swivel elbow at the end of the hose can be turned in either direction, or can be detached if required, with a sharp twist and pull.

If required, the drain hose can be extended to a length of 5 m. The necessary parts can be purchased from the Miele Spare Parts Department or your Miele dealer.

* For a delivery head of more than 1 m (up to a maximum of 1.8 m) a second duo-drain pump is available with the corresponding kit from the Miele Spare Parts Department or your Miele Dealer.

Drain hose connection:

1. Direct into a sink or basin:

Please note the following

- Hook the hose over the edge and secure.
 - Make sure that the water can drain away freely without hindrance. Otherwise there is a risk of water overflowing or of some of the drained water being sucked back into the machine.
- 2.** Connected securely to a plastic drain pipe with a rubber nipple. There is no need to use a non-return valve.
- 3.** Connected securely to a standpipe.
- 4.** Connected securely to a floor gully.

Installation and connection

Electrical connection U.K.

All electrical work should be carried out by a suitably qualified and competent person, in strict accordance with national and local safety regulations.

Ensure power is not supplied to the appliance until after installation work has been carried out.

The appliance is supplied with a mains cable with moulded plug ready for connection to a 230-240V mains supply. **The voltage and connected load are given on the data plate.**

Please ensure these match the household mains supply. The fuse rating is quoted on the plug.

Connection should be made via a suitable switched socket which is easily accessible after installation.

For extra safety it is advisable to install a residual current device (RCD), with a trip current of 30 mA (in accordance with DIN VDE 0664, VDE 0100 Section 739).

Do not connect via an extension lead. Extension leads do not guarantee the required safety of the appliance (e.g. danger of overheating).

Non-rewireable plugs BS 1363

The fuse cover must be refitted when changing the fuse, and if the fuse cover is lost, the plug must not be used until a suitable replacement is obtained. The colour of the correct replacement cover is that of the coloured insert in the base of the plug, or the colour that is embossed in words on the base of the plug (as applicable to the design of plug fitted).

Replacement fuses should be ASTA approved to BS 1362 and have the correct rating. Replacement fuses and fuse covers may be purchased from your local electrical supplier.

**WARNING: THIS APPLIANCE
MUST BE EARTHED**

Consumption data

		Load	Consumption data			
			Energy	Water	Duration	
			in kWh	in litres	Short	Normal
Cottons	95°C	6.0 kg	1.99	49		2 h 09 min
	60°C ¹⁾	6.0 kg	1.02	49		1 h 49 min
	60°C	3.0 kg	0.75	39	59 min	
	40°C ¹⁾	6.0 kg	0.65	55		1 h 55 min
	40°C ²⁾	3.0 kg	0.40	39	59 min	
Minimum iron	40°C ¹⁾	3.0 kg	0.50	55	1 h 02 min	1 h 19 min
Delicates	30°C	2.0 kg	0.35	69	43 min	59 min
Automatic	40°C	3.5 kg	0.35 - 0.50	40 - 55	58 min	1 h 13 min
Dark garments	40°C	3.0 kg	0.60	60	1 h 05 min	1 h 15 min
Shirts	40°C	2.0 kg	0.50	45	–	56 min
Denim	40°C	3.0 kg	0.50	52	53 min	1 h 00 min
Express	40°C	3.0 kg	0.30	34	–	33 min
Silks 🧺	30°C	1.0 kg	0.25	39	–	36 min
Woolens 🧺	30°C	2.0 kg	0.23	39	–	40 min

¹⁾ EN 60456 test programme

²⁾ Short programme for test institutes; the *Short* additional option must be selected.

Consumption data can vary from the nominal values given depending on water pressure, water hardness, water inlet temperature, room temperature, type and volume of load, fluctuations in the electricity supply and any additional options selected.

Technical data

Height	850 mm
Width	595 mm
Depth	580 mm
Depth with door open	975 mm
Weight	94 kg
Maximum floor load	1600 Newton (approx. 160 kg)
Capacity	6 kg dry laundry
Voltage	see data plate
Connected load	see data plate
Fuse rating	see data plate / plug
Consumption data	see "Consumption data"
Water flow pressure minimum	100 kPa (1 bar)
Water flow pressure maximum	1000 kPa (10 bar)
Inlet hose length	1.60 m
Drain hose length	1.50 m
Mains connection cable length	1.60 m
Delivery head max.	1.00 m
Maximum drainage length	5.00 m
Test certificates awarded	Radio / TV suppression, VDE

Programmable functions for changing default settings

The programmable functions can be used to tailor washing programmes to suit your individual requirements.

Programmable functions

The programmable functions are activated with the help of the *Start* button and the programme selector.

Water plus system

This is used to select the water intake setting for the *Water plus* additional option.

There are four different options:

Setting 1:

an increase in the rinse water level

Setting 2:

an increase in the water level in the main wash and rinses (the washing machine is delivered with setting 2 programmed as standard)

Setting 3:

an extra rinse cycle in the *Cottons* and *Minimum iron* programmes

Setting 4:

an increase in the water level in the main wash and rinses and also an extra rinse cycle in the *Cottons* and *Minimum iron* programmes

Follow steps ① to ⑦ to programme and store a setting in memory.

Before you begin, first ensure that:

- The washing machine is switched off.
- The machine is properly closed.
- The programme selector is at *Finish*.

① Press the *Start* button and keep it pressed in whilst carrying out steps ②-③.

② Switch the machine on with the *I-On/0-Off* button.

③ Wait until the *Start* button indicator light comes on . . .

④ . . . and then release the *Start* button.

⑤ Turn the programme selector to the *Cottons 60°C* position:

A *P* will flash in the display alternating with the number *1, 2, 3* or *4*.

⑥ Each subsequent press on the *Start* button selects a different setting.

The number alternating with the *P* in the display refers to the settings as follows:

1 = Setting 1 is selected

2 = Setting 2 is selected

3 = Setting 3 is selected

4 = Setting 4 is selected

⑦ Switch the machine off with the *I-On/0-Off* button.

The *Water plus* button has now been allocated the setting you have chosen. This setting will remain in memory until another setting is programmed.

Gentle action

Activating gentle action reduces the drum action and is suitable for washing slightly soiled articles more gently.

Gentle action can be used with the *Cottons*, *Express* and *Automatic* programmes.

If Gentle action is programmed into the machine, every wash cycle in these programmes will be carried out with gentle action rhythm.

The washing machine is delivered with the Gentle action setting deactivated.

Follow steps ① to ⑦ to programme and store in memory.

Before you begin, first ensure that:

- The washing machine is switched off.
- The machine is properly closed.
- The programme selector is at *Finish*.

- ① Press the *Start* button and keep it pressed in whilst carrying out steps ②-③.
- ② Switch the machine on with the *I-On/O-Off* button.
- ③ Wait until the *Start* button indicator light comes on . . .
- ④ . . . and then release the *Start* button.
- ⑤ Turn the programme selector to the *Cottons 40°C* position:

A *P* will flash in the display alternating with the number *0* or *1*.

0 = Gentle action is **deactivated**.

1 = Gentle action is **activated**.

- ⑥ Press the *Start* button to change the display from *0* to *1* or from *1* to *0*.
- ⑦ Switch the machine off with the *I-On/O-Off* button.

The setting you have selected is now stored in memory and will remain so until you alter it.

Programmable functions

Top-up rinse for Cottons

When this is activated, additional water flows into the drum at the end of the main wash to cool the suds down. Hot suds can damage plastic drainage pipes.

Top-up rinse takes place when a temperature of 95°C is selected.

Top-up rinse should be activated:

- to prevent the danger of scalding if the drain hose is hooked over the edge of a sink or basin.
- where the drainage pipes do not comply with DIN 1986.

The washing machine is delivered with the Top-up rinse for *Cottons* deactivated.

Follow steps ① to ⑦ to programme and store in memory.

Before you begin, first ensure that:

- The washing machine is switched off.
- The machine is properly closed.
- The programme selector is at *Finish*.

① Press the *Start* button and keep it pressed in whilst carrying out steps ②-③.

② Switch the machine on with the *I-On/O-Off* button.

③ Wait until the *Start* button indicator light comes on . . .

④ . . . and then release the *Start* button.

⑤ Turn the programme selector to the *Cottons 30°C* position:

A *P* will flash in the display alternating with the number *0* or *1*.

0 = Top-up rinse is **deactivated**.

1 = Top-up rinse is **activated**.

⑥ Press the *Start* button to change the display from *0* to *1* or from *1* to *0*.

⑦ Switch the machine off with the *I-On/O-Off* button.

The setting you have selected is now stored in memory and will remain so until you alter it.

Memory function

If an additional option is selected for a programme, and / or the spin speed is altered, the machine stores these changes in memory at the start of a programme.

When that particular programme is chosen again, the washing machine will display the additional option(s) and / or spin speed which have been stored for that programme in the memory.

The washing machine is delivered with the memory function deactivated.

Follow steps ① to ⑦ to programme and store in memory.

Before you begin, first ensure that:

- The washing machine is switched off.
- The machine is properly closed.
- The programme selector is at *Finish*.

- ① Press the *Start* button and keep it pressed in whilst carrying out steps ②-③.
- ② Switch the machine on with the *I-On/O-Off* button.
- ③ Wait until the *Start* button indicator light comes on . . .
- ④ . . . and then release the *Start* button.
- ⑤ Turn the programme selector to *Minimum iron 60°C*:

A *P* will flash in the display alternating with the number *0* or *1*.

0 = the memory function is **deactivated**.

1 = the memory function is **activated**.

- ⑥ Press the *Start* button to change the display from *0* to *1* or from *1* to *0*.
- ⑦ Switch the machine off with the *I-On/O-Off* button.

The setting you have selected is now stored in memory and will remain so until you alter it.

Programmable functions

Soak

A length of time of between 30 minutes and 2 hours can be programmed in 30 minute increments for the soak process.

If the Soak option is pressed, the selected soak time will be carried out for the period selected before the wash programme is run.

The machine is delivered with a two hour soak time set as standard.

Follow steps ① to ⑦ to programme and store in memory.

Before you begin, first ensure that:

- The washing machine is switched off.
- The machine is properly closed.
- The programme selector is at *Finish*.

① Press the *Start* button and keep it pressed in whilst carrying out steps ②-③.

② Switch the machine on with the *I-On/O-Off* button.

③ Wait until the *Start* button indicator light comes on . . .

④ . . . and then release the *Start* button.

⑤ Turn the programme selector to *Minimum iron 40°C*:

A *P* will flash in the display alternating with the number 1, 2, 3 or 4.

⑥ Each subsequent press on the *Start* button selects a different setting.

The number alternating with the *P* in the display refers to the settings as follows:

1 = the soak time is 2 hours
(default setting)

2 = the soak time is 1 hour 30 minutes

3 = the soak time is 1 hour

4 = the soak time is 30 minutes

⑦ Switch the machine off with the *I-On/O-Off* button.

The *Soak* button has now been allocated the setting you have chosen. This setting will remain in memory until another setting is programmed.

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